**Course: SAT ACT Prep**

**Subject: Mathematical Reasoning**

**Topic: Arithmetic**

**Subtopic: Operations with Numbers Between Zero and One**

**Document: Quick Drill B Resource**

**Lesson Number: 5**

**Reference Number: 1005-8**

*https://youtube.com/c/MrMattTheTutor*



1. If A is greater than zero and less than one, which of the following is listed in ascending order?
	1. $A^{\frac{1}{3}}$,$ A^{\frac{2}{3}}$,$ A^{\frac{1}{2}}$,$ A^{\frac{3}{2}}$
	2. $A^{\frac{3}{2}},A^{\frac{1}{3}}$,$ A^{\frac{2}{3}},A^{\frac{1}{2}} $
	3. $A^{\frac{3}{2}},A^{\frac{2}{3}},A^{\frac{1}{2}}, A^{\frac{1}{3}} $
	4. $A^{\frac{2}{3}},A^{\frac{1}{2}},A^{\frac{3}{2}},A^{\frac{1}{3}} $
2. If A is greater than zero and less than one, which of the following is listed in ascending order?
	1. $A^{5},A^{-3},A^{-5},A^{2}$
	2. $A^{-5},A^{2},A^{5},A^{-3}$
	3. $A^{5},A^{2},A^{-3},A^{-5}$
	4. $A^{5},A^{2},A^{-5},A^{-3}$
3. If A is greater than zero and less than one, which of the following is listed in descending order?
	1. $A^{\frac{1}{4}},A^{\frac{1}{2}},A^{\frac{2}{1}},A^{\frac{3}{1}}$
	2. $A^{\frac{2}{1}},A^{\frac{3}{1}},A^{\frac{1}{4}},A^{\frac{1}{2}}$
	3. $A^{\frac{1}{4}},A^{\frac{2}{1}},A^{\frac{3}{1}},A^{\frac{1}{2}}$
	4. $A^{\frac{1}{4}},A^{\frac{1}{2}},A^{\frac{3}{1}},A^{\frac{2}{1}}$
4. If A is less than negative one, which of the following is listed in ascending order?
	1. $A^{5},A^{6},A^{4},A^{7}$
	2. $A^{5},A^{6},A^{4},A^{7}$
	3. $A^{7},A^{4},A^{5},A^{6}$
	4. $A^{7},A^{5},A^{4},A^{6}$
5. If A is less than negative one, which of the following is listed in ascending order?
	1. $A^{5},A^{-2},A^{3},A^{-4}$
	2. $A^{5},A^{-2},A^{-4},A^{3}$
	3. $A^{5},A^{3},A^{-2},A^{-4}$
	4. $A^{5},A^{3},A^{-4},A^{-2}$
6. If A is less than negative one, which of the following is listed in ascending order?
	1. $A^{2.6},A^{1.2},A^{-1.5},A^{-3.4}$
	2. $A^{-1.5},A^{-3.4},A^{2.6},A^{1.2}$
	3. $A^{2.6},A^{1.2},A^{-3.4},A^{-1.5}$
	4. $A^{-1.5},A^{2.6},A^{-3.4},A^{1.2}$